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Notice of Allowability .	Application No.	Applicant(s)	Applicant(s)	
	10/043,146	LEE ET AL.		
	Examiner	Art Unit	·	
	Donghai D. Nguyen	3729		
The MAILING DATE of this communication at All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOLNOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1	S IS (OR REMAINS) CLOSED in -85) or other appropriate commur T RIGHTS. This application is su	this application. If not inclu nication will be mailed in du	uded ue course. THIS	
1. X This communication is responsive to 3/14/05.				
2. X The allowed claim(s) is/are 28,51-53,55-58,60 and 61,	renumbered 1-10.			
3. ☑ The drawings filed on 14 January 2002 are accepted b	y the Examiner.			
 4. Acknowledgment is made of a claim for foreign prioriting a) All b) Some* c) None of the: 1. Certified copies of the priority documents in the priority line in the priority lin	nave been received. nave been received in Application of documents have been received. TE" of this communication to file and application. TE application. TE application. TE application.	No in this national stage appli a reply complying with the MINER'S AMENDMENT or declaration is deficient. (PTO-948) attached	requirements	
Paper No./Mail Date Identifying indicia such as the application number (see 37 Cl each sheet. Replacement sheet(s) should be labeled as such			the back) of	
 DEPOSIT OF and/or INFORMATION about the deattached Examiner's comment regarding REQUIREME 	eposit of BIOLOGICAL MATE	RIAL must be submitted	l. Note the	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Info	: ormal Patent Application (F	PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-94	48) 6. ⊠ Interview Sui	mmary (PTO-413),		

3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 1/25/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

Paper No./Mail Date _____.

7. ⊠ Examiner's Amendment/Comment

8. X Examiner's Statement of Reasons for Allowance

9. Other __

PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Webster on April 28, 2005.

The application has been amended as follows:

In the claim:

- a) "the surface side of" (claim 51, lines 11-12) has been deleted
- b) "comprising" (claim 55, line 1) has been changed to: --wherein the plugging step further comprises--.
 - c) after "patterns" (claim 60, line 2) inserted --with via holes--.
- d) "via holes." (claim 60, last line) has been changed to: --via holes; wherein the solder resist or insulating resin in the spaces among the first circuit patterns is filled to the same height as the upper surface of the circuit patterns.--.
- 2. The following is an examiner's statement of reasons for allowance: The prior art fails to teach or suggest the method for plugging via holes in printed circuit board as claimed by the present invention which including a specific limitation of "filling or plugging spaces between circuit patterns, via, and through hole on a circuit board with a solder resist or insulating resin by moving the squeegee under the condition of being abutted directly on the upper surface of the

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circuit patterns, vias and holes to filling the solder resist or insulating resin to the same height as the upper surface of the circuit patterns" in combination with other limitations as set forth in details in each of claims 28, 51, 60 and 61.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donghai D. Nguyen whose telephone number is (571)-272-4566. The examiner can normally be reached on Monday-Friday (9:00-6:00).

DN April 28, 2005

PRIMARY EXAMINER